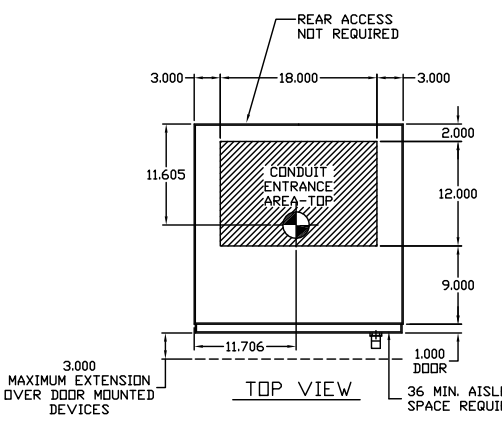
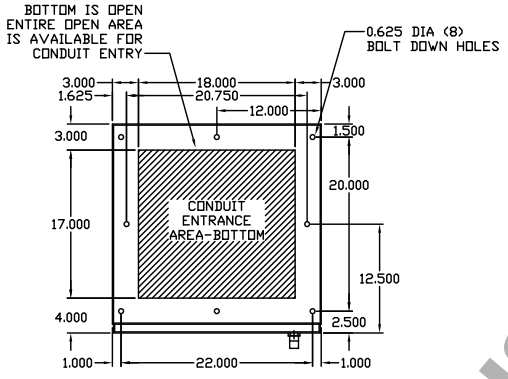
LUG SCHEDULE

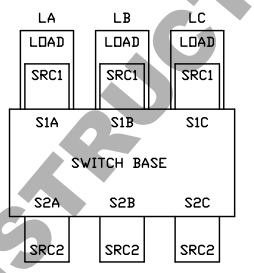
SWITCH SIZE	CABLE CONNECTION SIZE SOURCE 1, LOAD & SOURCE 2 PER PHASE & NEUTRAL	GROUND	ESTIMATED NET WEIGHT (lbs.)
100A	(1) #14-1/0	(3) #14-1/0	766
150A	(1) #6-250MCM	(3) #14-1/0	766



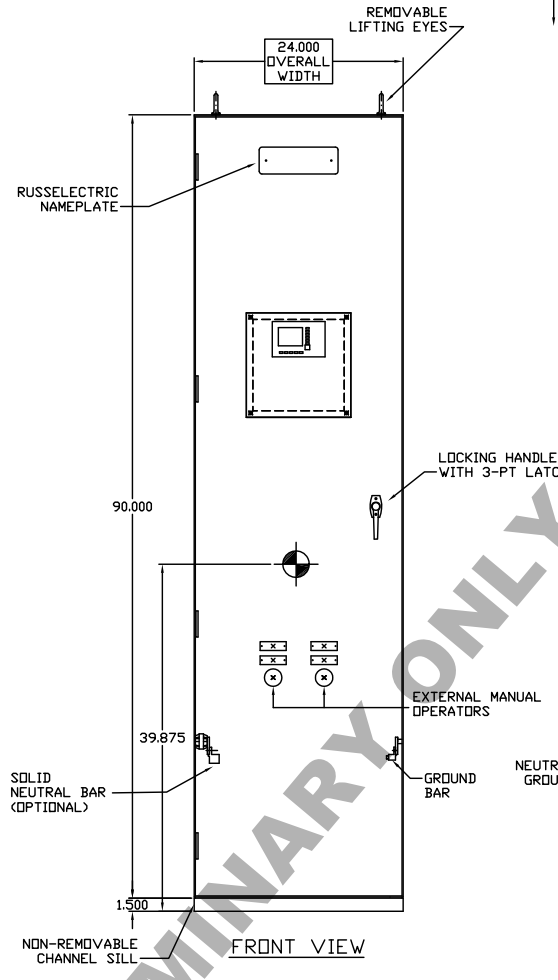
TOP VIEW



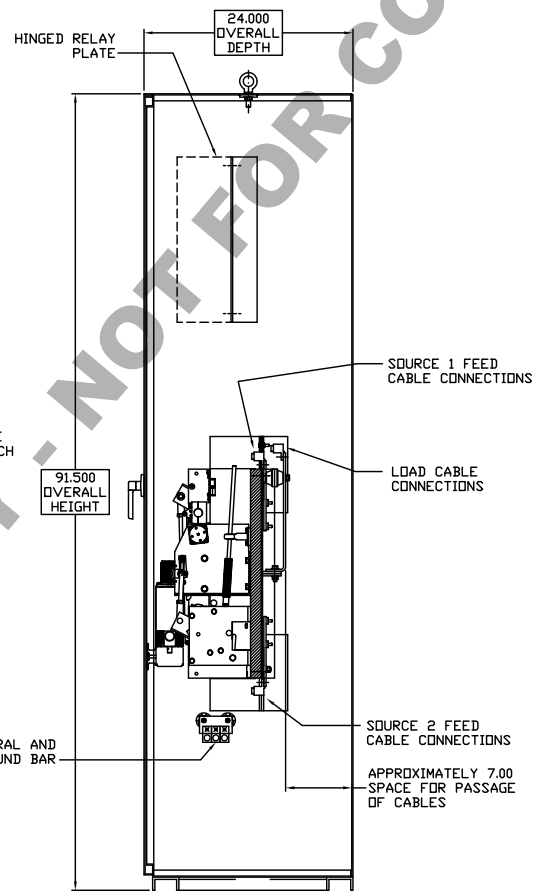
BOLT DOWN PATTERN & BOTTOM CONDUIT PLAN



POWER CONNECTION LABELS



FRONT VIEW



SECTION VIEW OF TRANSFER SWITCH

GENERAL NOTES:

1. ENCLOSURE FABRICATED FROM SHEET STEEL IN ACCORDANCE WITH UL STANDARD 508.
2. ALL STEEL PARTS SHALL BE PREPARED FOR PAINTING BY A FIVE STEP CLEANING, PHOSPHATIZING AND SEALING PROCESS. THE PARTS SHALL THEN BE PAINTED ASA #61 GRAY, UTILIZING POLYESTER POWDER COATING APPLIED BY THE ELECTROSTATIC METHOD AND CURED IN A BAKING OVEN. THIS FINISH IS SUITABLE FOR OUTDOORS, AS WELL AS INDOOR APPLICATIONS.
3. LUG SIZES SPECIFIED ARE MECHANICAL TYPE SUITABLE FOR CU/AL CABLE.
4. ALL DIMENSIONS ARE IN INCHES (1 INCH = 2.54 CM)
5. SPECIAL CONSIDERATION MUST BE TAKEN WHEN PREPARING THE FOUNDATION. FOLLOW ALL APPLICABLE LOCAL AND INTERNATIONAL BUILDING CODES.
6. WHEN ANCHORING FOR A SEISMIC LOCATION, CONSIDERATION MUST BE GIVEN TO THE DESIGN OF THE PAD OR FOUNDATION. MINIMUM CONCRETE THICKNESS AND PSI, MINIMUM ANCHOR EDGE DISTANCE, CENTERLINE SPACING, AND EFFECTIVE EMBEDMENT ARE ALL FACTORS THAT WILL INFLUENCE THE ANCHORING.
   A. REFER TO THE PROJECT SPECIFIC SEISMIC STUDY DONE BY A CERTIFIED ENGINEER FOR PROPER ANCHOR DETAIL INFORMATION.
   B. USE AN ANCHOR THAT MEETS OR EXCEEDS THE STRENGTH OF A 1/2-INCH GRADE 5 BOLT WITH A 1/2" USS LARGE FLAT WASHER.

PRELIMINARY ONLY - NOT FOR CONSTRUCTION

Russelectric
SOUTH SHORE PARK, HINGHAM, MA 02043
HTTP://WWW.RUSSELECTRIC.COM

NEMA 1 100-150A 3P (RTS30)
ATS FREESTANDING ENCLOSURE

SWITCH SIZE	NO. OF POLES	QUANTITY	SPECIAL MARKINGS
100-150A	3	1	

CERTIFIED BY: DATE:

DFTM.	MDM	1.23.09	DWG. NO. 83S0034D01 E
CHKD.	JTL	03/04/11	
APPD.			SHEET NO. 1 CONT'D ON SHEET NO. 1 REV

F:\PARTS\MECH\83\S0034D01.DWG